

Gulf of Mexico Harmful Algal Bloom Bulletin

2 November 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin:

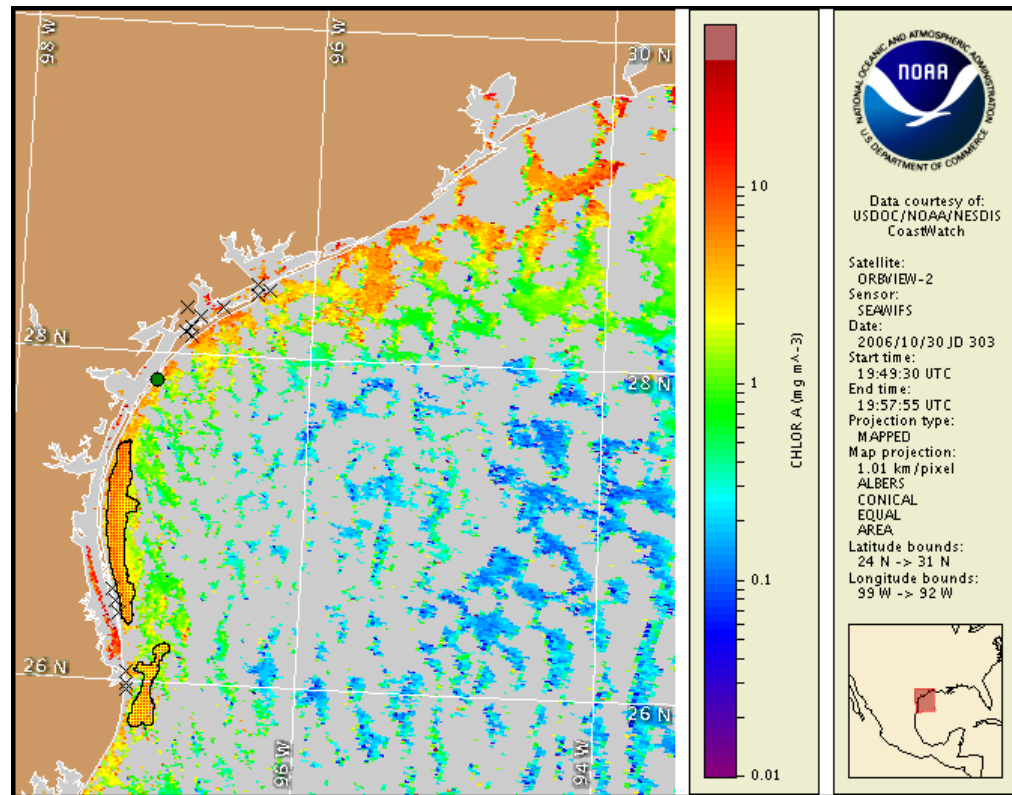
Conditions Report

A harmful algal bloom had occurred earlier in the month. Red tide has not been reported in the past two weeks. No impacts are expected in Texas. (Check with the Department of State Health Services on shell-fish conditions).

Analysis

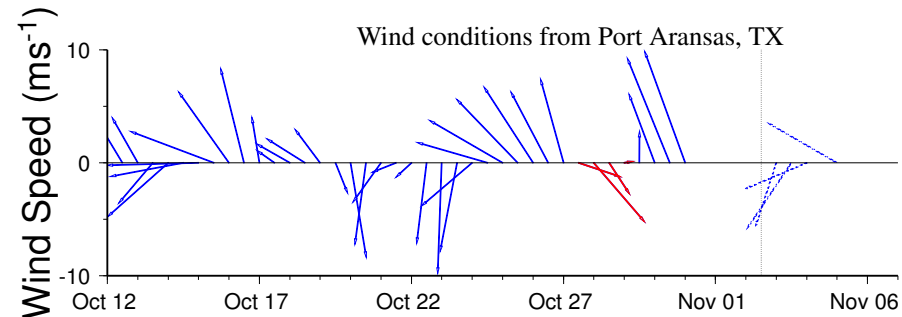
It appears that the bloom has dissipated. Strong winds favor transport of aerosols onto the beach if *Karenia* is present; the fact that no respiratory irritation has been reported signifies that *Karenia* is not present. The high chlorophyll feature off Padre Island is still persistent, but is likely to be diatoms and not *Karenia*.

-Wynne, Ransi



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 23-November 1 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). Cell count data from Texas Parks and Wildlife and the Department of State Health Services. For a key to the cell concentration descriptions, visit the FWRI web site:

<http://research.myfwc.com>

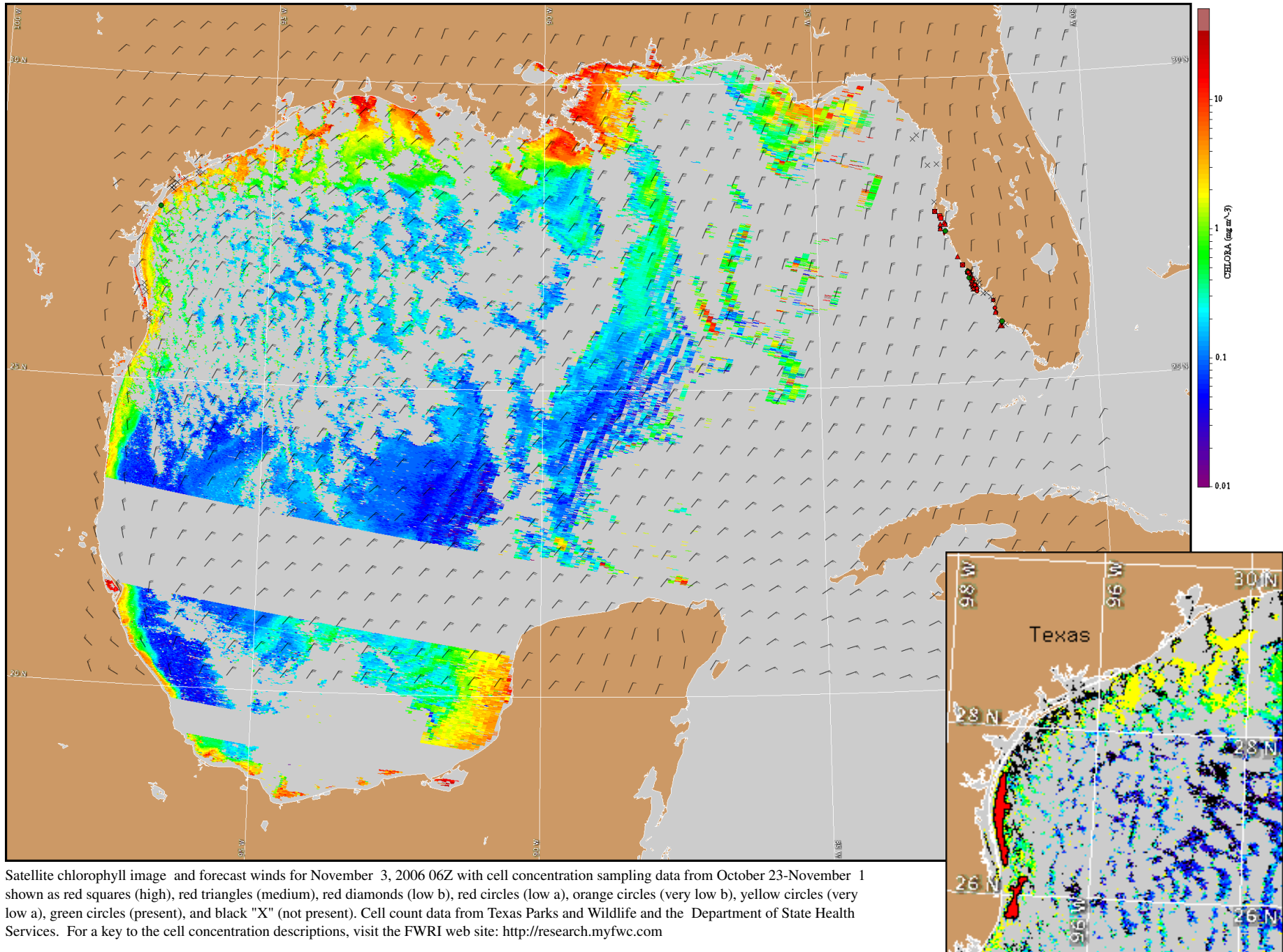


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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Today there will be strong winds out of the north at 20-25 knots. Tonight into Friday the winds are expected to remain at 20-25 knots and shift out of the NE. Friday and Saturday winds will be out of the East.



Satellite chlorophyll image and forecast winds for November 3, 2006 06Z with cell concentration sampling data from October 23-November 1 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). Cell count data from Texas Parks and Wildlife and the Department of State Health Services. For a key to the cell concentration descriptions, visit the FWRI web site: <http://research.myfwc.com>

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).